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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application	10/696,639	
	Filing Date	October 29, 2003	
	First Named Inventor	Maureen J. Bournier, et al.	
	Art Unit	1632	
	Examiner Name	Unknown	
Total Number of Pages in This Submission		Attorney Docket Number	01040/1/US, 6794-000126/US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<b>Request to Correct Inventorship under 37 C.F.R. §1.48(a);</b>
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	<b>Inventor Statement; Declaration; Assignee Consent Statement;</b>
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	<b>3,73(b) Statement w/2 assignments;</b>
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Lydia N. Nenow
		Reg. No.	52,530
Signature			
Date	May 5, 2005		

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Lydia N. Nenow	Express Mail Label No.	EV 327050281 US
Signature		Date	May 5, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 327050281 US

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

## Complete if Known

Application Number 10/696,639  
Filing Date October 29, 2003  
First Named Inventor Maureen J. Bourner, et al.  
Examiner Name Unknown  
Art Unit 1632  
Attorney Docket No. 01040/1/US, 6794-000126/US

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 08-0750

Deposit Account Name Harness, Dickey & Pierce, PLC

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fees under 37 CFR 1.16 and 1.17  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1011	300	2011	150	Utility filing fee	
1012	200	2012	100	Design filing fee	
1013	200	2013	100	Plant filing fee	
1014	300	2014	150	Reissue filing fee	
1005	200	2005	100	Provisional filing fee	
SUBTOTAL (1)					(\$) 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		** =	0	X		=	0
Independent Claims		** =	0	X		=	0
Multiple Dependent						=	0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	50	2202	25	Claims in excess of 20	
1201	200	2201	100	Independent claims in excess of 3	
1203	360	2203	180	Multiple dependent claim, if not paid	
1204	200	2204	100	** Reissue independent claims over original patent	
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$) 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1000	2403	500	Request for oral hearing	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1500	2453	750	Petition to revive - unintentional	
1501	1400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
Other fee (specify) 37 C.F.R. § 1.17 (i) fee					130.00
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					(\$) 130.00

### 4. SEARCH/EXAMINATION FEES

1111	500	2111	250	Utility Search Fee	
1112	100	2112	50	Design Search Fee	
1113	300	2113	150	Plant Search Fee	
1114	500	2114	250	Reissue Search Fee	
1311	200	2311	100	Utility Examination Fee	
1312	130	2312	65	Design Examination Fee	
1313	160	2313	80	Plant Examination Fee	
1314	600	2314	300	Reissue Examination Fee	
SUBTOTAL (4)					(\$) 0

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type) Lydia N. Nenoy Registration No. (Attorney/Agent) 52,530 Telephone 314-726-7500  
Signature *L. Nenoy* Date May 5, 2005

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

EV 327 050281 US



56-05

IFW  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Maureen J. Bourner, et al.  
Serial No: 10/696,639  
Filed: October 29, 2003  
For: Differentially Expressed Genes Involved in Cancer, the Polypeptides  
Encoded Thereby, and Methods of Using the Same  
Group Art Unit: 1632  
Examiner: Unknown  
Confirmation No: 1858  
Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-00126/US

May 5, 2005

**REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. §1.48(a)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir/Madam:

Applicants respectfully request that the inventorship of the above-referenced application be corrected from:

Maureen J. Bourner, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzarella,  
Nicholas R. Staten, and Barbara J. Klein, as joint inventors

to:

Maureen J. Bourner, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzarella,  
Nicholas R. Staten, Barbara J. Klein, and Jia-ying J. Bu, as joint inventors.

Pursuant to 37 C.F.R. §1.48(a), Applicants submit the following documents in support of this Petition:

1. Declaration signed by all inventors.
2. Statement by Jia-ying J. Bu that the error of failing to include her as an inventor in the application as originally filed occurred without deceptive intent on her part.
3. The written consent of the assignee, Pharmacia Corporation, to the requested change in inventorship.

4. A statement under 37 C.F.R. §3.73(b)(including copies of assignments) establishing assignee's ownership of all right, title, and interest in the pending application.
5. The fee of \$130.00 set forth in 37 C.F.R. §1.17(i).

\* \* \* \* \*

Applicants do not believe that they owe any additional fee in connection with this request. If, however, Applicants do owe any fee(s), the Commissioner is authorized to charge those fee(s) to Deposit Account **08-0750**. If there is ever a deficiency or overpayment in this application, the Commissioner is authorized to charge any such deficiency or credit any such overpayment to Deposit Account **08-0750**.

Respectfully submitted,



Lydia N. Nenow, PTO Reg. No. 52,530  
Harness, Dickey & Pierce, PLC  
7700 Bonhomme, Suite 400  
St. Louis, Missouri 63105  
(314) 726-7500 (tel)  
(314) 726-7501 (fax)

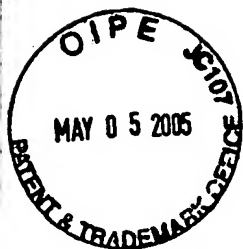
**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

I certify that this correspondence is being deposited with the U.S. Postal Service on **May 5, 2005** with sufficient postage as first class mail (including Express Mail per MPEP §512), and addressed to **Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450**.



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LNN/



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

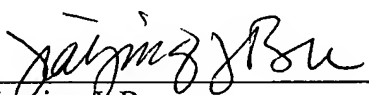
Application of: Maureen J. Bourner, et al.  
Serial No: 10/696,639  
Filed: October 29, 2003  
For: Differentially Expressed Genes Involved in Cancer, the Polypeptides  
Encoded Thereby, and Methods of Using the Same  
Group Art Unit: 1632  
Examiner: Unknown  
Confirmation No: 1858  
Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-00126/US

**STATEMENT OF JIA-YING J. BU**

I, Jia-ying J. Bu, declare that:

1. I am a co-inventor with Maureen J. Bourner, Richard D. Head, Paul J. Hippenmeyer, Barbara K. Klein, Richard A. Mazzarella, and Nicholas R. Staten of certain of the differentially expressed genes involved in cancer, the polypeptides encoded thereby, and the methods of using the same that are the subject of the claims of the above-referenced patent application.

2. My name was omitted from the list of joint inventors submitted with the application when it was filed on October 29, 2003 without deceptive intent on my part.

  
\_\_\_\_\_  
Jia-ying J. Bu

4/6/05  
\_\_\_\_\_  
Date

EV 327 050281 US



Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-000126/US

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USING THE SAME**

the specification of which (check one)

- ☐ is attached hereto.  
or  
☒ was filed on October 29, 2003 and assigned Patent Application Serial No. 10/696,639.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)				
APPLN. SERIAL NO.	COUNTRY	DATE FILED (MM/DD/YYYY)	PRIORITY CLAIM	
			Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

PRIOR PROVISIONAL APPLICATION(S)	
APPLN. SERIAL NO.	DATE FILED (MM/DD/YYYY)
60/422,176	10/29/2002

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below:

PRIOR U.S. APPLICATION(S)		
APPLN. SERIAL NO.	DATE FILED (MM/DD/YYYY)	STATUS – PATENTED, PENDING, ABANDONED

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### POWER OF ATTORNEY

The undersigned, on behalf of Applicant, hereby appoints the attorneys and patent agents associated with Customer Number 47376 with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith with full power to transact all business in the Patent and Trademark Office in connection with the above-referenced patent application.

### CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence relative to this application to:

David M. Gryte, PTO Registration No. 41,809  
Harness, Dickey & Pierce, P.L.C.  
7700 Bonhomme, Suite 400  
St. Louis, MO 63105  
(314) 726-7500 (telephone)  
(314) 726-7501 (facsimile)

Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-000126/US

**Full name of sole or first inventor:** Maureen J. Bourner

Inventor's signature: Maureen J. Bourner

Date: 05/03/05

Residence: 27 Statesman Drive, O'Fallon, Missouri 63366

Citizenship: United States of America

Mailing Address: 27 Statesman Drive, O'Fallon, Missouri 63366



Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-000126/US

**Full name of second joint inventor:** Paul J. Hippenmeyer

Inventor's signature: Paul J. Hippenmeyer

Date: 3/16/05

Residence: 126 Chippenham Lane, Chesterfield, Missouri 63005

Citizenship: United States of America

Mailing Address: 126 Chippenham Lane, Chesterfield, Missouri 63005

**Full name of third joint inventor:** Richard D. Head

Inventor's signature: Richard D. Head

Date: 3 / 30 / 2005

Residence: ~~837 Liberty Village Drive, Florissant, Missouri 63031~~ *RT*  
*1030 Golden Orchard O'Fallon MO 63366*

Citizenship: United States of America

Mailing Address: ~~837 Liberty Village Drive, Florissant, Missouri 63031~~ *RT*  
*1030 Golden Orchard O'Fallon MO 63366*

**Full name of fourth joint inventor:** Richard A. Mazzarella

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 135 Dornell Drive, Webster Groves, Missouri 63119

Citizenship: United States of America

Mailing Address: 135 Dornell Drive, Webster Groves, Missouri 63119

**Full name of fifth joint inventor:** Nicholas R. Staten

Inventor's signature: Nicholas R. Staten

Date: 16 March 2005

Residence: 567 Andrews Avenue, Kirkwood, Missouri 63122

Citizenship: United States of America

Mailing Address: 567 Andrews Avenue, Kirkwood, Missouri 63122

**Full name of sixth joint inventor:** Barbara K. Klein

Inventor's signature: Barbara Klein

Date: 3/19/05

Residence: 12917 Topping Estates, Town and Country, Missouri 63131

Citizenship: United States of America

Mailing Address: 12917 Topping Estates, Town and Country, Missouri 63131

**Full name of seventh joint inventor:** Jia-ying J. Bu

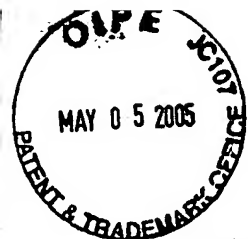
Inventor's signature: 

Date: 4/6/05

Residence: 2524 Peppermill Ridge Drive, Wildwood, Missouri 63005

Citizenship: United States of America

Mailing Address: 2524 Peppermill Ridge Drive, Wildwood, Missouri 63005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Maureen J. Bournier, et al.  
Serial No: 10/696,639  
Filed: October 29, 2003  
For: Differentially Expressed Genes Involved in Cancer, the Polypeptides  
Encoded Thereby, and Methods of Using the Same  
Group Art Unit: 1632  
Examiner: Unknown  
Confirmation No: 1858  
Attorney Ref: 01040/1/US  
Pfizer Ref: 27428/USA  
HDP Ref: 6794-00126/US

**CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP**

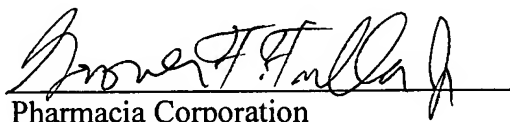
Pharmacia Corporation, the assignee of the entire right, title, and interest in the above-referenced patent application, consents to the correction of inventorship in that application from:

Maureen J. Bournier, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzarella,  
Nicholas R. Staten, and Barbara J. Klein, as joint inventors

to:

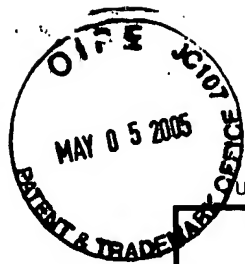
Maureen J. Bournier, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzarella,  
Nicholas R. Staten, Barbara J. Klein, and Jia-ying J. Bu, as joint inventors.

Assignee's right, title, and interest in the above-referenced patent application is evidenced by the enclosed statement under 37 C.F.R. §3.73(b).

  
Pharmacia Corporation  
by Grover F. Fuller, Jr.  
Assistant Secretary

3 MAY 2005  
Date

EV 327050281 US

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Pharmacia CorporationApplication No./Patent No.: 10/696,639Filed/Issue Date: October 29, 2003Entitled: Differentially Expressed Genes Involved in Cancer, the Polypeptides Encoded Thereby, and Methods of Using the SamePharmacia Corporationa corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Grover F. Fuller, Jr.

Printed or Typed Name

Assistant Secretary

Title

3 May 2005

Date

212-733-3190

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 327 050281 US



ASSIGNMENT

WHEREAS, We, Maureen J. Bourner, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzearella, Nicholas R. Staten, and Barbara K. Klein have invented certain new and useful improvements for Differentially Expressed Genes Involved in Cancer, the Polypeptides Encoded Thereby, and Methods of Using the Same (hereinafter referred to as "Invention") for which an application for Letters Patent in the United States of America was filed on October 29, 2003, and assigned serial number 10/696,639; and

WHEREAS, we desire to assign all right, title and interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to Pharmacia Corporation, a corporation of the State of Delaware, having its office and place of business at 575 Maryville Centre Drive, St. Louis, Missouri 63141 (P.O. Box 1027, Chesterfield, MO 63006) (hereinafter referred to as "Assignee"); and

WHEREAS, Assignee, is desirous of acquiring the entire right, title and interest in and to said Invention and improvements as disclosed in said application, in and to said application, and in and to any Letters Patent which may be granted therefor.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, Maureen J. Bourner, Paul J. Hippenmeyer, Richard D. Head, Richard A. Mazzearella, Nicholas R. Staten, and Barbara K. Klein, have sold, assigned and transferred, and do hereby sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest in and to said Invention and improvements as the same are disclosed in said application, in and to said application, and in and to any Letters Patent, including any divisions, continuations, continuations-in-part, reissues, reexaminations, and extensions to be obtained thereof, in the United States, and countries foreign thereto, which may be granted for said Invention; and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto; and we further agree to cooperate with the Assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the Assignee may desire to apply for, but at the expense of said Assignee.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as Assignee of the whole right, title and

interest thereto; and we further agree to execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid Invention, as the Assignee, or its designees may require and prepare at its own expense; and execute all necessary and lawful future documents including assignments in favor of Assignee, or its designees, as Assignee or its designees may present to us in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto.

Maureen J. Bourner  
Maureen J. Bourner

STATE OF :

COUNTY OF :

On this 10 day of June, 2004 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Maureen J. Bourner, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Carol F. Quinn  
Notary Public

My Commission Expires: Feb. 25, 2008

CAROL F. QUINN  
Notary Public - State of Missouri  
County of St. Louis  
My Commission Expires Feb. 24, 2008

Paul J. Hippenmeyer 6/10/04  
Paul J. Hippenmeyer

STATE OF

COUNTY OF

On this 10 day of June, 2004 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Paul J. Hippenmeyer, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Angela J. Keel  
Notary Public

My Commission Expires: 4-8-2007



ANGELA J. KEEL  
St. Louis County  
My Commission Expires  
April 8, 2007

Richard D. Head 6/10/04  
Richard D. Head

STATE OF

COUNTY OF

On this 10 day of June, 2004 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Richard D. Head, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Beverly Pennington  
Notary Public

My Commission Expires: 8/12/06

BEVERLY PENNINGTON  
NOTARY PUBLIC - STATE OF MISSOURI  
MY COMMISSION EXPIRES 08/12/2006  
ST. CHARLES COUNTY

Richard A. Mazzarella  
Richard A. Mazzarella

STATE OF :  
COUNTY OF :

On this 10 day of June, 2004 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Richard A. Mazzarella, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Beverly Pennington  
Notary Public

My Commission Expires: 8/12/06

**BEVERLY PENNINGTON**  
NOTARY PUBLIC - STATE OF MISSOURI  
MY COMMISSION EXPIRES 08/12/2008  
ST. CHARLES COUNTY

Nicholas R. Staten  
Nicholas R. Staten

STATE OF

COUNTY OF

On this 10 day of June, 2004 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Nicholas R. Staten, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Carol F. Quisenberry  
Notary Public

My Commission Expires: Feb 24, 2008

**CAROL F. QUISEN**  
Notary Public - State of Missouri  
County of St. Louis  
My Commission Expires Feb. 24, 2008

Barbara K. Klein  
Barbara K. Klein

STATE OF Missouri

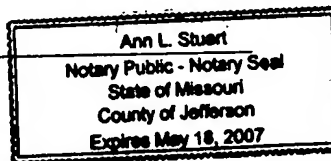
COUNTY OF Jefferson

On this 18 day of June, 2004 before me, a Notary Public, within and for the County of Jefferson, State of Missouri personally appeared Barbara K. Klein, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Ann L. Stuart  
Notary Public

My Commission Expires: \_\_\_\_\_





**ASSIGNMENT**

WHEREAS, I, Jia-ying J. Bu, have invented certain new and useful improvements for Differentially Expressed Genes Involved in Cancer, the Polypeptides Encoded Thereby, and Methods of Using the Same (hereinafter referred to as "Invention") for which an application for Letters Patent in the United States of America was filed on October 29, 2003, and assigned serial number 10/696,639; and

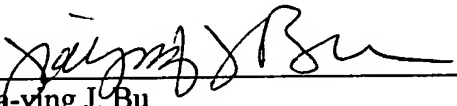
WHEREAS, I desire to assign all right, title and interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to Pharmacia Corporation, a corporation of the State of Delaware, having its office and place of business at 575 Maryville Centre Drive, St. Louis, Missouri 63141 (hereinafter referred to as "Assignee"); and

WHEREAS, Assignee, is desirous of acquiring the entire right, title and interest in and to said Invention and improvements as disclosed in said application, in and to said application, and in and to any Letters Patent which may be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, I, Jia-ying J. Bu, have sold, assigned and transferred, and do hereby sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest in and to said Invention and improvements as the same are disclosed in said application, in and to said application, and in and to any Letters Patent, including any divisions, continuations, continuations-in-part, reissues, reexaminations, and extensions to be obtained thereof, in the United States, and countries foreign thereto, which may be granted for said Invention; and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto; and I further agree to cooperate with the Assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the Assignee may desire to apply for, but at the expense of said Assignee.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as Assignee of the whole right, title and interest thereto; and I further agree to execute all necessary and lawful future documents, including

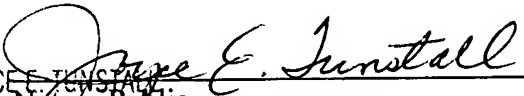
applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid Invention, as the Assignee, or its designees may require and prepare at its own expense; and execute all necessary and lawful future documents including assignments in favor of Assignee, or its designees, as Assignee or its designees may present to us in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto.

  
Jia-ying J. Bu

STATE OF :  
:  
COUNTY OF :

On this 28 day of April, 2005 before me, a Notary Public, within and for the County of St. Louis, State of Missouri, personally appeared Jia-ying J. Bu, to me known to be the person described in and who acknowledged executing the forgoing instrument as a free act and deed, and who also represented that he/she is authorized to execute the same.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

  
JOYCE E. TYNSTALL  
Notary Public  
NOTARY PUBLIC, STATE OF MISSOURI  
MY COMMISSION EXPIRES MARCH 8, 2008  
ST. LOUIS COUNTY

My Commission Expires: \_\_\_\_\_